IDENTITY: METHANOL, METHYL ALCOHOL

Manufactured by: Val Tech Diagnostics, Inc.
LabChem Inc
200 William Pitt Way
Pittsburgh, PA 15238

Prepared: 03-20-12
Emergency No. 800-424-9300

HAZARDOUS COMPONENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS NO.</th>
<th>OSHA PEL (skin)</th>
<th>ACGIH TLV</th>
<th>OTHER</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl Alcohol</td>
<td>CAS 67-56-1</td>
<td>200PPM (skin)</td>
<td>200PPM (skin)</td>
<td>6000ppm IDLH</td>
<td>100</td>
</tr>
</tbody>
</table>

DOT Labeling: Methanol, 3, UN 1230, PG II

PHYSICAL/CHEMICAL CHARACTERISTICS
- Boiling Point: 148 Deg F
- Vapor Pressure (mmHg): 96 mm Hg at 68 Deg F
- Vapor Density (Air=1): 1.105
- Specific Gravity (H2O=1): 0.792
- Melting Point: -90 Deg C
- Evaporation Rate (Butyl Acetate=1): 5.9
- Solubility in Water: Complete
- Appearance/Color/Odor: Clear, colorless liquid with aromatic odor.

FIRE AND EXPLOSION HAZARD DATA
- Flash Point: 52 Deg F
- Method: Tagg closed cup.
- Flammable limits: LEL 6.0%
  - UEL 36.5%
- Extinguishing Media: Alcohol type foam, CO2, or dry chemical.
- Special fire fighting procedures: Use water to cool containers and to disperse vapors. Wear breathing apparatus and protective clothing.
- Unusual fire and explosion hazards: Vapors form and may travel to open flames and sparks. Vapors may settle in low areas.

REACTIVITY DATA
- Stability: Stable
- Conditions to avoid: STORAGE AT HIGH TEMPERATURES.
- Materials to avoid/Incompatibility: Strong oxidizing agents, strong acids, reactive metals such as aluminum and magnesium.
- Hazardous Decomposition/Byproducts: Carbon dioxide and carbon monoxide.
- Hazardous Polymerization: Will not occur.

HEALTH HAZARD DATA
- Routes of entry: Inhalation, skin, ingestion.
- Health Hazards: Acute- Poisonous. Can cause nausea, vomiting, headache, drowsiness, drunken behavior, fatigue, weakness, confusion, abdominal pain, or coma.
- Methanol, Methyl Alcohol Continued.....
Chronic- May be fatal if ingested.
WARNING: This product contains methanol, a chemical known to the state of California to cause birth defects or other reproductive harm.

Signs of Exposure: Nausea, vomiting, headache, drowsiness, dizziness, faintness, euphoria, decreased awareness, shortness of breath, leg cramps, visual disturbances, coma or death.

Emergency and First Aid Procedures:
Eye Contact: Rinse with water for 15 minutes, seek medical help.

Skin Contact: Wash with soap and water for 15 minutes.

Ingestion: If conscious, induce vomiting, seek medical help immediately.

Inhalation: Remove to fresh air, assist breathing as necessary.

Medical Conditions Aggravated by Exposure: Central nervous system, and visual impairment.

Carcinogenicity: none known.

PRECAUTIONS FOR SAFE HANDLING AND USE
Precautions to be taken in handling and storage: Store in a flammable safety cabinet or room. Use in a well-ventilated area, keep away from any open flames sparks or sources of ignition.

Spill or Release Procedures: Absorb material with a non-flammable material such as sand, and place in a sealed container. Notify personnel to clear area. Turn off any source of flame or sparks.

Spill or Release: “Reportable Quantity” (RQ) to National Response Center 1-800-424-8802, 40 CFR Part 302: None.
Waste Disposal Methods: In accordance with all local, federal, state, and federal regulations.

CONTROL MEASURES/PERSONAL PROTECTION
Respiratory Protection: If exposures are exceeded, a NIOSH approved respirator.
Eye Protection: Goggles or full face shield.
Protective Gloves: Neoprene or PVC.
Protective Clothing: Outer garments not affected by the product.

Ventilation Requirements: Non sparking system.

Work and Hygienic Practices: Handle as a highly flammable liquid and wear appropriate personal safety equipment.

OTHER
NFPA Hazard Rating: Health- 1 Flammability- 3 Reactivity- 0
KEY: 0-None, 1-Slight, 2-Moderate, 3-Severe, 4-Extreme

SARA TITLE III- In compliance with Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR Part 372 the following toxic chemicals are present: Methyl Alcohol.

WARNING: This product contains methanol, a chemical known to the state of California to cause birth defects or other reproductive harm.

THE ABOVE INFORMATION IS BELIEVED TO BE TRUE AND CORRECT AT THIS TIME. HOWEVER NO GUARANTEE IS EXPRESSED OR IMPLIED.